

## Claims

1. A protective device for protecting a second device (4) from the electromagnetic rays of a first device (2) that is part of a radio network and has a transmitter (3) that emits the electromagnetic radiation, in which

- at least one of the devices (2, 4) can be changed in location;

- one of the devices (2, 4) includes a wireless interrogation system (6), which cooperates with a reflecting device (5) of the other device (4, 2),

- one of the devices (2, 4), as a function of the distance from the other device detected by means of the interrogation system (6) and the reflecting device (5), can be switched over between a normal operating mode (N2, N4) and a special operating mode (S2, S4) intended for comparatively short distances, and in which

- the operating mode (N2, S2) of the first device (2) that has the transmitter (3) is variable, characterized in that one of the devices (2, 4) has a transponder as its reflecting device (5).

2. The device as recited in claim 1, characterized in that the transmitter (3) has a transmission power that is dependent on the operating mode (N2, S2).

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3. The device as recited in one of claims 1 or 2, characterized in that the special operating mode (S2, S4) of one of the devices (2, 4) includes the outputting of a warning report.

4. The device as recited in claim 3, characterized in that the outputting of the warning report by the first device (2) is provided and includes a warning against further approach [closer approach] to the second device (4) and/or an indication of a required greater distance from the second device (4).

5. The device as recited in claim 3 or 4, characterized in that the outputting of the warning report by the second device (4) is provided and includes a warning against its being threatened by the first device (2).

6. A method for protecting a second device (4) from the electromagnetic rays of a first device (2) that is part of a radio network and has a transmitter (3) that emits the electromagnetic radiation, in which, controlled by a contactless proximity measuring system (5, 6), a switchover is made, as a function of the distance between the two devices (2, 4), between a normal operating mode (N2, N4) and a special operating mode (S2, S4), intended for comparatively short distances, of one of the devices (2, 4), in which in the special operating mode (S2, S4), the transmitter (3) is operated at reduced transmission power, characterized in that the proximity measuring system (5, 6) includes a transponder as the reflecting device (5) of one of the devices (2, 4).

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7. The method as recited in claim 6, characterized in that upon switchover to the special operating mode (S2, S4), the operation of the transmitter (3) is stopped.

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